



MD 458 IS ASSUMED TO RUN
IN AN EAST/WEST DIRECTION

ENTRANCE TO SUITLAND HIGH SCHOOL

GEOMETRIC CONSTRUCTION DETAILS:

- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12).
(NOTE: 24" X 60" DETECTABLE WARNING SURFACE(S), STANDARD NO. MD 655.40)
- INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
- BEGIN 12:1 RAMP
- BEGIN 48:1 LEVEL LANDING AREA.
- TIE IN WITH EXISTING SIDEWALK AT JOINT.
- TIE NEW CURB TO EXISTING CURB AT JOINT.
- REMOVE EXISTING RAMP, INSTALL NEW SIDEWALK AND TIE TO EXISTING SIDEWALK.
- REMOVE EXISTING SIDEWALK RAMP AND BACKFILL WITH SEED AND MULCH.
- REMOVE EXISTING MEDIAN/ISLAND AND LEVEL TO EXISTING ROAD GRADE WITH CONCRETE AS NEEDED
- INSTALL NOSE DOWN MONOLITHIC MEDIAN AS SHOWN (STANDARD NO. MD 645.01)
- INSTALL CUT-THROUGH ISLAND OPENING (STANDARD NO. MD 655.21)
- RECONSTRUCT AREA OF ISLAND AS SHOWN, INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02) SIDEWALK TO GRADE.

APS NOTES:

- PUSH BUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- THE 10' SEPARATION BETWEEN PUSH BUTTONS IS TO BE MEASURED FROM FACE OF PUSH BUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- PUSH BUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSH BUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- APS WILL FUNCTION AS FOLLOWS:

TO CROSS SCHOOL ENTRANCE AT MD 458.

- WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS SCHOOL ENTRANCE AT SILVER HILL. WAIT."
- WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS MD 458 AT SCHOOL ENTRANCE.

- WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS SILVER HILL AT SCHOOL ENTRANCE. WAIT."
- WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

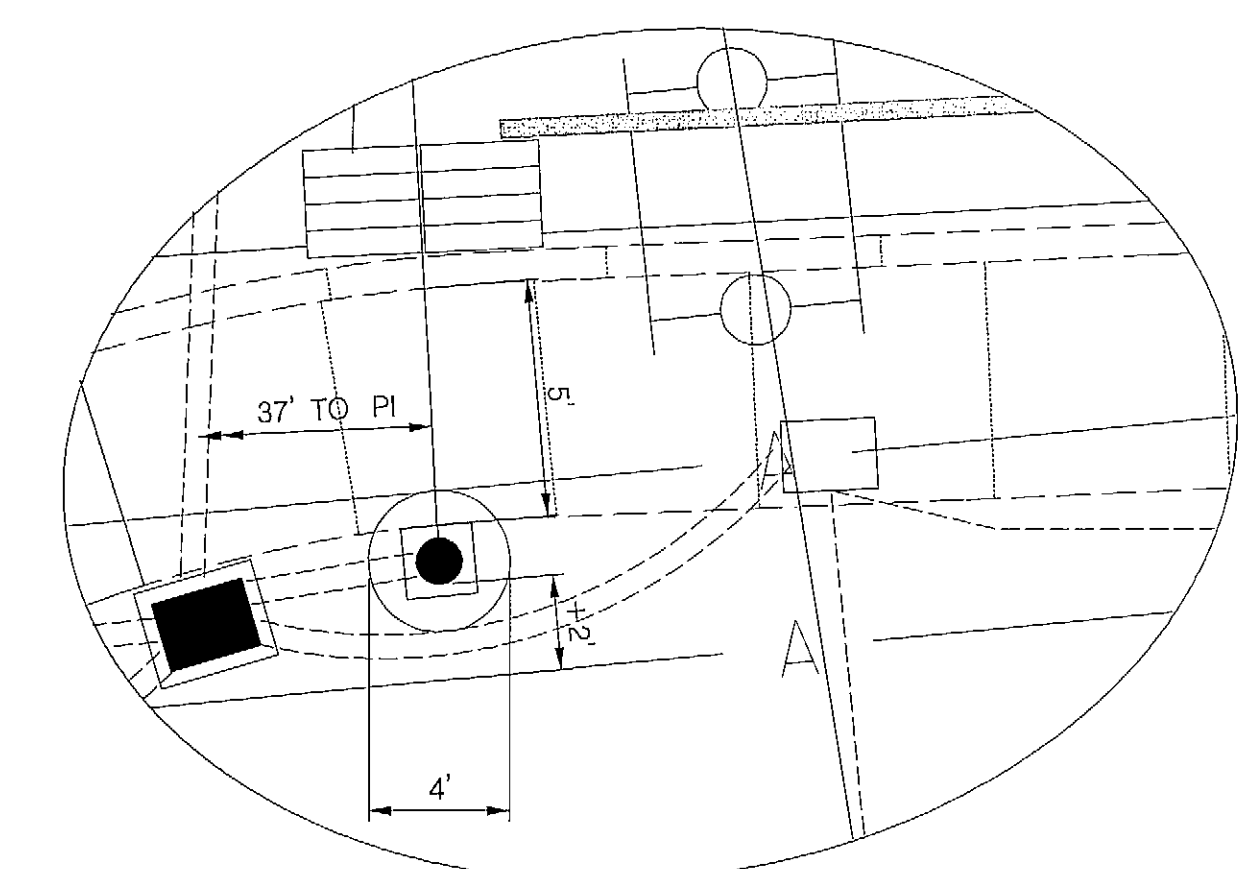
TO CROSS MD 458 AT ROYAL PLAZA DRIVE.

- WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS SILVER HILL AT ROYAL PLAZA. WAIT."
- WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS ROYAL PLAZA DRIVE AT MD 458.

- WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS ROYAL PLAZA AT SILVER HILL. WAIT."
- WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

DETAIL A



TOD NO: XX354-44
SHA NO: PG901ASG/KSG
MD 458, Ent. Suitland HS/Royal Plaza

MD 458
(SILVER HILL RD) WBL

MD 458
(SILVER HILL RD) EBL

ROYAL PLAZA
DRIVE

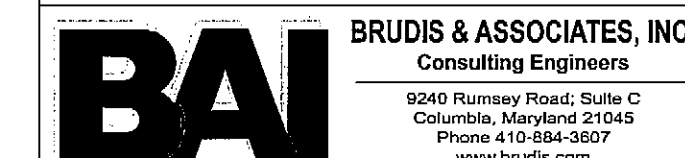
LEGEND SYMBOL

- ⊙ 48" SIGNAL POLE FOUNDATION
- ⊙ 36" SIGNAL POLE FOUNDATION
- ⊙ 24" PED POLE FOUNDATION
- ⊕ 18" PED POLE FOUNDATION W/SIGN AND PUSHBUTTON
- PED SIGN
- PED PUSHBUTTON
- SIGNAL CABINET W/PAD
- ▣ POWER PEDESTAL
- HANDHOLE

GEOMETRIC LEGEND

- EXISTING SIDEWALK/ CURB JOINT
- ▭ NEW SIDEWALK AND ADA HANDICAP RAMP
- ▨ SEED AND MULCH
- ▩ NEW CONCRETE

NOTE:
SIDEWALK JOINTS ARE
APPROXIMATELY LOCATED.



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 458 (SILVER HILL RD) AT ENTRANCE TO SUITLAND
HIGH SCHOOL/ROYAL PLAZA DR
SUITLAND, MD

GEOMETRIC PLAN SHEET

SCALE 1" = 10' DATE 07/2011 CONTRACT NO. XX3545168R

DESIGNED BY CW COUNTY PRINCE GEORGE'S
DRAWN BY CW LOGMILE 16045801.87
CHECKED BY JB TMS NO. J987
F.A.P. NO. TOD NO.

TS NO. 999C DRAWING — OF SHEET NO. 2 OF 3

PLOTTED: Monday, August 15, 2011 AT 11:38 AM
FILE: P:\09-002 TEDD\Task 39 MD 458 @ Suitland HS\Drawings\CADD\Working\SSG-F002_MD458@SuitlandHS.dgn